

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A communications interface system for communicating information in a plasma processing system, comprising:

a power delivery system component including a [[standard]] POD interface for communicating information that complies with a first protocol;

a portable device coupled between the [[standard]] POD interface and a second communication interface for communicating information there between, the second communication interface communicating information that complies with a second protocol, the portable device translating the information between the first protocol and the second protocol and being detachable from the [[standard]] POD interface and the second communication interface;

a first communication link for coupling the [[standard]] POD interface to the portable device; and

a second communication link for coupling the portable device to the second communication interface.

2. (cancelled)

3. (cancelled)

4. (currently amended) The communications interface system of [[Claim 3]] Claim 1 wherein the [[standard protocol]] second protocol is selected from the group of analog interface, USB, Ethernet, Devicenet, Profibus, Modbus, and Infrared Transceiver.

5. (original) The communications interface system of Claim 1 wherein the portable device further includes a mass storage device.

6. (original) The communications interface system of Claim 5 wherein the mass storage device is selected from the group of CD-ROMs, FlashCards, Optical Disks, and magnetic media.

7. (original) The communications interface system of Claim 1 wherein the portable device includes a plurality of interface ports for interfacing with more than one communication interface.

8. (original) The communications interface system of Claim 1 wherein the portable device further includes a coprocessor.

9. (original) The communications interface system of Claim 1 wherein the second communication interface is a customer interface.

10. (original) The communications interface system of Claim 1 wherein the power delivery system component is selected from the group of V/I probes, generators, matching networks, and power amplifiers.

11. (currently amended) A communications interface system for a plasma generator system, comprising:

a power delivery system component including a [[standard]] POD interface for communicating information that complies with a [[custom protocol]] first protocol;

a portable device coupled between the [[standard]] POD interface and a customer communication interface for communicating information there between, the customer communication interface communicating information that complies with a [[standard protocol]] second protocol, the portable device translating the information between the first protocol and the second protocol and being detachable from the [[standard]] POD interface and the customer communication interface;

a first communication link for coupling the [[standard]] POD interface to the portable device; and

a second communication link for coupling the portable device to the customer communication interface.

12. (currently amended) The communications interface system of [[Claim 12]] Claim 11 wherein the portable device further includes a mass storage device.

13. (currently amended) The communications interface system of [[Claim 13]] Claim 12 wherein the mass storage device is selected from the group of CD-ROMs, FlashCards, Optical Disks, and magnetic media.

14. (currently amended) The communications interface system of [[Claim 14]] Claim 13 wherein the portable device further includes a coprocessor

15. (currently amended) The communications interface system of [[Claim 12]] Claim 13 wherein the portable device further includes a coprocessor.

16. (currently amended) The communications interface system of [[Claim 15]] Claim 14 wherein the portable device includes a plurality of interface ports for interfacing with more than one communication interface.

17. (currently amended) The communications interface system of [[Claim 17]] Claim 16 wherein the power delivery system component is selected from the group of V/I probes, generators, matching networks, and power amplifiers.

18. (currently amended) A communications interface system for communicating information in a plasma processing system, comprising:

a generator assembly including a [[standard]] POD interface conforming to a [[custom protocol]] first protocol for communicating information, the [[standard]] POD interface including a communication port for receiving communication signals;

a first communication link having a first end detachably coupled to the [[standard]] POD interface communication port;

an interface portable device detachably coupled between the [[standard]] POD interface and a second communication interface for communicating information there between, the second communication interface conforming to a [[standard protocol]] second protocol, the interface portable device converting information flowing between the [[standard]] POD interface and the second communication interface such that information flowing to the second communication interface conforms to the [[standard protocol]] second protocol and information flowing to the [[standard]] POD interface conforms to the [[custom protocol]] first protocol; and

a second communication link for detachably coupling the portable device to the second communication interface.

19. (currently amended) The communications interface system of [[Claim 19]] Claim 18 wherein the portable device further includes a mass storage device.

20. (currently amended) The communications interface system of
[[Claim 19]] Claim 18 wherein the portable device includes a plurality of interface ports
for interfacing with more than one communication interface.